

FILTER ELEMENT FOR FILTERING FLUIDS

Abstract of the Disclosure

A filter element for filtering fluids has at least one filter unit (12, 14, 16) that is disposed concentrically around the axis of the element. The unit is supported on at least one supporting element (24, 26, 30) in the direction of the flow of the fluid. At least part of the supporting elements (24, 26) is provided, at least on the side facing the filter unit (12, 14, 16), with channels (28) for guiding the fluid. Longitudinal ribs (50) delimit the channels (28), and extend along the supporting element (24, 26) in the form of spiral tracks. The two free ends of each channel (28) emerge at opposite ends of the corresponding supporting element (24, 26). The channels (28) extend continuously along the supporting element, are devoid of multiple deviations in the fluid flow and only partially surround the corresponding supporting element (24, 28) to form a torsional guide for the fluid flow.